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JUN 16 1992

Montana Department of Health
and Environmental Sciences
Solid and Hazardous Waste Bureau

Attention: Mr. John Wadhams

Subject: April 1992 Soil Vapor Extraction Report, Livingston Rail Yard

Dear John:

Burlington Northern Railroad, through its contractor Envirocon, Inc., operated seven soil vapor extraction (SVE) systems during April 1992. These systems are located at the Electric Shop, the transfer pit manways, the Locomotive Shop manways, the in-line grit chamber, the Waste Water Treatment Plant (WWTP) main grit chamber compound, the WWTP sump, and the cinder pile. The air streams from all the SVE systems pass through two activated-carbon filters prior to discharge to the atmosphere. Seven additional vapor extraction risers were installed during April 1992. These risers are VE-22, VE-23, VE-24, VE-25, VE-26, and VE-38, on Figures 1.0 and 2.0. All new SVE risers are connected to the existing SVE systems.

This monthly report summarizes operations of the systems through early May 1992. Included with this letter are laboratory air sample results for the influent and effluent air streams of the carbon units and tables totalling the mass of recovered Volatile Organic Compounds (VOCs) through the period that sample results are available.

Table 1.0 summarizes air sample results for samples taken April 3 through May 4, 1992. The values shown represent total volatile responses. The concentrations of individual VOCs detected in the influent and effluent samples are shown on the laboratory results compiled in Appendix A.



Tables 2.0 through 8.0 summarize VOC recovery at each SVE system since each system began operating. VOC recovery for this reporting period is shown in bold on each table. Recovery of chlorinated VOCs was favorable at the in-line grit chamber (92.7 pounds), the main grit chamber compound (49.3 pounds), the Electric Shop (46.3 pounds), the Locomotive Shop (24.4 pounds), and the transfer pit (21 pounds). Recovery was less favorable at the cinder pile (6.2 pounds) and at the WWTP sump (2.8 pounds). Recovery is calculated by multiplying the vapor stream concentration from the sample results by the air flow rate measured at each system and then by the number of days of operation per period of calculation. Each period of calculation correlates to one vapor-stream sample result. One thousand six-hundred and three pounds of VOCs have been recovered since the beginning of SVE operations through this reporting period. This includes 1,004 pounds of chlorinated VOCs, as identified by EPA Method 524.2, and 599 pounds of VOCs not specifically identified by EPA Method 524.2. Energy Laboratories, Inc. has indicated that the VOCs not specifically identified by Method 524.2 are C-9 to C-12 branch-chain hydrocarbons, similar to diesel fuel.

Two anomalous effluent sample results were received during April 1992. Effluent Sample 140101-SG-118, collected at the cinder pile SVE system, showed 3.2 mg/m³ of 1,2-dichlorobenzene. The cinder pile SVE system was turned off when the results for Sample 140101-SG-118 were received on April 27, 1992. This apparent breakthrough is difficult to explain because no individual VOCs were detected in Sample 140101-SG-119, collected between the carbon units on the same day, and no 1,2-dichlorobenzene was detected in Sample 140101-SG-109, collected from the influent to the carbon units the previous day. In addition, Samples 140101-SG-126 and -127, collected on April 13, 1992 from between the carbon units and from the effluent, respectively, did not contain any detectable VOCs.

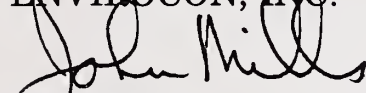
Effluent Sample 140101-SG-124, collected on April 13 from the WWTP sump SVE system, contained 12 mg/m³ of naphthalene. The WWTP sump SVE system was turned off on April 30, 1992, when this sample result was received. This apparent breakthrough is also difficult to explain because no naphthalene was detected either in the influent (Sample 140101-SG-122) or in the sample from between the carbon units (Sample 140101-SG-123), both collected on the same day. The WWTP SVE system has remained off since April 30, due to the relatively poor VOC recovery rate at this system and also to allow Envirocon to prepare for removal of the WWTP sump sludge. A modified SVE system will be installed at the WWTP sump after the sludge and liner are removed.

Mr. John Wadhams
June 9, 1992
Page Three

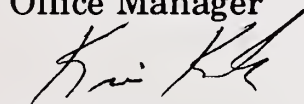
Please contact me in Livingston if you have any questions or comments.

Sincerely,

ENVIROCON, INC.



John Mills
Office Manager



Kris Kok
Project Manager

JPM\pm

Enclosures

cc: Mel Burda
Dennis Iverson
Steve Pilcher
Joe Michaletz
Envirocon, Missoula



TABLES

TABLE 1.0

SVE SAMPLE RESULTS

Sample Number	Sample Date	SVE System	Total VOCs (mg/m3)		
			Influent to Carbon Units	Between Carbon Units	Discharge to Atmosphere
140101-SG-118	4/3/92	Cinder Pile			<30
140101-SG-119	4/3/92	Cinder Pile		87	
140101-SG-121	4/6/92	Cinder Pile	427		
140101-SG-122	4/13/92	WWTP Sump	45		
140101-SG-123	4/13/92	WWTP Sump		<30	
140101-SG-124	4/13/92	WWTP Sump			<30
140101-SG-125	4/13/92	Cinder Pile	224		
140101-SG-126	4/13/92	Cinder Pile		<30	
140101-SG-127	4/13/92	Cinder Pile			<30
140101-SG-128	4/17/92	Electric Shop TPM	86		
140101-SG-129	4/17/92	Electric Shop	226		
140101-SG-130	4/17/92	Locomotive Shop	65		
140101-SG-131	4/17/92	WWTP Compound	125		
140101-SG-132	4/17/92	Inline Grit Chamber	580		
140101-SG-133	4/27/92	WWTP Sump	101		
140101-SG-134	4/28/92	Cinder Pile	349		
140101-SG-135	5/4/92	WWTP Compound	64		
140101-SG-136	5/4/92	WWTP Compound		<30	
140101-SG-137	5/4/92	WWTP Compound			<30
140101-SG-138	5/4/92	Inline Grit Chamber	430		
140101-SG-139	5/4/92	Inline Grit Chamber		<30	
140101-SG-140	5/4/92	Inline Grit Chamber			<30
140101-SG-141	5/4/92	Locomotive Shop	48		
140101-SG-142	5/4/92	Locomotive Shop		<30	
140101-SG-143	5/4/92	Locomotive Shop			<30
140101-SG-144	5/4/92	Electric Shop TPM	70		
140101-SG-145	5/4/92	Electric Shop		<30	
140101-SG-146	5/4/92	Electric Shop			<30
140101-SG-147	5/4/92	Electric Shop	295		



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IN-LINE GRIT CHAMBER SVE RESULTS

TABLE 2.0, cont.

IN-LINE GRIT CHAMBER SVE RESULTS

Dates	Number of Days	Extraction Risers in Use	Carbon Units In Use	Compounds Recovered	Sample Results (mg/m3)	Air Velocity (ft/min)	Air Flow Rate (ft3/mln)	VOCs Removed (#/day)	VOCs Removed (#/period)	Total VOCs (#/period)
3/27-4/3/92 (4/3)	7	VE-6, Grit Chamber	I,L,B,N	Total VOCs	878	2586	Totals from page one:		527.8	792.6
	7			CB	128		126.7	10.1	70.9	
	7			1,2-DCB	280		126.7	1.5		10.3
	7			1,4-DCB	32		126.7	3.2		22.6
	7			1,3-DCB	7		126.7	0.4		2.6
	7			2-CT	10		126.7	0.1		0.6
	7			PCE	3.4		126.7	0.1		0.8
	7							0.0		0.3
4/4-4/25/92 (4/17)	21	VE-6,VE-22 Grit Chamber	L,N	Total VOCs	580	2466	120.8	6.4	133.9	
	21			CB	129		120.8	1.4		29.8
	21			1,2-DCB	119		120.8	1.3		27.5
	21			1,4-DCB	21		120.8	0.2		4.8
	21			1,3-DCB	5.3		120.8	0.1		1.2
	21			2-CT	9.3		120.8	0.1		2.1
	21			PCE	3.5		120.8	0.0		0.8
	21									
4/26-5/5/92 (5/4)	11	VE-6,VE-22 Grit Chamber	L,N	Total VOCs	430	2701	132.3	5.2	57.0	
	11			CB	90		132.3	1.1		11.9
	11			1,2-DCB	79		132.3	1.0		10.5
	11			1,4-DCB	15		132.3	0.2		2.0
	11			1,3-DCB	4.7		132.3	0.1		0.6
	11			2-CT	7.2		132.3	0.1		1.0
	11			PCE	3.5		132.3	0.0		0.5
	11									
Total VOCs Removed (2/26-5/5/92)									657.7	1054.4

Note:

(date) = Date sample was collected

Total VOCs = Total Volatile Organic Compounds

CB = Chlorobenzene

1,2-DCB = 1,2-Dichlorobenzene

1,4-DCB = 1,4-Dichlorobenzene

1,3-DCB = 1,3-Dichlorobenzene

2-CT = 2-Chlorotoluene

PCE = Tetrachloroethene

cis-DCE = cis-1,2-Dichloroethene

1,2,4-TMB = 1,2,4-Trimethylbenzene

TABLE 3.0

LOCOMOTIVE SHOP SVE RESULTS

Dates	Number of Days	Extraction Risers In Use	Carbon Units In Use	Compounds Recovered	Sample Results (mg/m3)	Air Velocity (ft/min)	Air Flow Rate (ft3/min)	VOCs Removed (#/day)	VOCs Removed (#/period)	Total VOCs (#/period)
2/26-2/28/92 (2/27)	1.9	VE-11,VE-12,	H,M	Total VOCs	681	5850	127.5	7.9	13.7	15.0
	1.9	VE-28,VE-29,		PCE	620		127.5	7.2		
	1.9	VE-30		TCE	10		127.5	0.1		
	1.9			cis-DCE	25		127.5	0.3		
	1.9			Chloroform	4.5		127.5	0.1		
2/29-3/2/92 (3/1)	2	VE-11,VE-12,	H,M	Total VOCs	358	5850	127.5	4.2	8.1	8.3
	2	VE-28,VE-29,		PCE	350		127.5	4.1		
	2	VE-30		TCE	3.1		127.5	0.0		
	2			cis-DCE	5.1		127.5	0.1		
3/2-3/16/92 (3/6)	13.7	VE-11,VE-12,	H,M	Total VOCs	183	5760	125.6	2.1	28.2	28.6
	13.7	VE-29,VE-30		PCE	180		125.6	2.1		
	13.7			cis-DCE	3.1		125.6	0.0		
3/16-3/27/92 (3/20)	11	VE-11,VE-28,	H,M	Total VOCs	94	6000	130.8	1.1	12.3	12.3
	11	VE-30		PCE	94		130.8	1.1		
3/28-4/10/92 (4/3)	13.2	VE-11,VE-28,	H,M	Total VOCs	68	2632	129.0	0.8	10.5	10.5
	13.2	VE-29		PCE	68		129.0	0.8		
4/11-4/24/92 (4/17)	13	VE-11,VE-28,	H,M	Total VOCs	65	2530	124.0	0.7	9.5	9.5
	13	VE-29		PCE	65		124.0	0.7		
4/25-5/5/92 (5/4)	8.2	VE-11,VE-28,	H,M	Total VOCs	48	2530	124.0	0.5	4.4	4.4
	8.2	VE-29		PCE	48		124.0	0.5		
System off 5/5/92										
Total VOCs Removed (2/26-5/5/92)									88.3	88.8

Note:

(date) = Date sample was collected

Total VOCs = Total Volatile Organic Compounds

PCE = Tetrachloroethene

TCE = Trichloroethene

cis-DCE = cis-1,2-Dichloroethene

TABLE 4.0

MAIN GRIT CHAMBER COMPOUND SVE RESULTS

Dates	Number of Days	Extraction Risers in Use	Carbon Units in Use	Compounds Recovered	Sample Results (mg/m3)	Air Velocity (ft/min)	Air Flow Rate (ft3/min)	VOCs Removed (#/day)	VOCs Removed (#/period)	Total VOCs (#/period)	
2/26-2/28/92 (2/27)	1.9	VE-1,VE-2,VE-3	A,Q	Total VOCs	227	5670	123.6	2.6		4.9	
	1.9			cis-DCE	150		123.6	1.7			3.2
	1.9			PCE	32		123.6	0.4			0.7
	1.9			TCE	30		123.6	0.3			0.6
	1.9			CB	15		123.6	0.2			0.3
2/29-3/6/92 (3/1)	7	VE-1,VE-2,VE-3	A,Q	Total VOCs	198	5700	124.3	2.2		15.7	
	7			cis-DCE	96		124.3	1.1			7.6
	7			PCE	29		124.3	0.3			2.3
	7			TCE	27		124.3	0.3			2.1
	7			CB	14		124.3	0.2			1.1
3/6-3/20/92 (3/6)	12.9	VE-1,VE-2,VE-3	A,Q	Total VOCs	228	5670	123.6	2.6		33.1	
	12.9			cis-DCE	104		123.6	1.2			15.1
	12.9			PCE	42		123.6	0.5			6.1
	12.9			TCE	21		123.6	0.2			3.0
	12.9			CB	12		123.6	0.1			1.7
3/20-3/27/92 (3/20)	7	VE-1,VE-2,VE-3	A,Q	Total VOCs	201	5445	118.7	2.2		15.2	
	7			cis-DCE	72		118.7	0.8			5.4
	7			PCE	39		118.7	0.4			2.9
	7			TCE	29		118.7	0.3			2.2
	7			CB	11		118.7	0.1			0.8
3/28-4/11/92 (4/3)	14	VE-1,VE-2,VE-3	A,Q	Total VOCs	206	2593	127.1	2.4		33.3	
	14			cis-DCE	51		127.1	0.6			8.3
	14			PCE	49		127.1	0.6			7.9
	14			TCE	30		127.1	0.3			4.9
	14			CB	9.8		127.1	0.1			1.6
4/12-4/26/92 (4/17)	15	VE-1,VE-2,VE-3	A,Q,R	Total VOCs	125	2421	118.6	1.3		20.2	
	15			cis-DCE	20		118.6	0.2			3.2
	15			PCE	33		118.6	0.4			5.3
	15			TCE	17		118.6	0.2			2.8
	15			CB	8.4		118.6	0.1			1.4
4/27-5/15/92 (5/4)	18	VE-1,VE-2,VE-3	A,Q,R	Total VOCs	64	2685	131.6	0.8		13.8	
	18			cis-DCE	17		131.6	0.2			3.7
	18			PCE	32		131.6	0.4			6.9
	18			TCE	10		131.6	0.1			2.2
	18			CB	5.2		131.6	0.1			1.1
Total VOCs Removed (2/26-5/15/92)									104.5	136.2	

Note:

(date) = Date sample was collected

Total VOCs = Total Volatile Organic Compounds

cis-DCE = cis-1,2-Dichloroethene

PCE = Tetrachloroethene

TCE = Trichloroethene

CB = Chlorobenzene

TABLE 5.0

WWTP SUMP SVE RESULTS

Dates	Number of Days	Extraction Risers In Use	Carbon Units In Use	Compounds Recovered	Sample Results (mg/m3)	Air Velocity (ft/min)	Air Flow Rate (ft3/min)	VOCs Removed (#/day)	VOCs Removed (#/period)	Total VOCs (#/period)
2/7-2/8/92 (2/7)	1.5 1.5 1.5 1.5 1.5	VE-31,VE-32 VE-33	J,G	Total VOCs cis-DCE trans-DCE CB 2-CT	282 112 3.5 3.2 16	2151	187.8 187.8 187.8 187.8 187.8	4.8 1.9 0.1 0.1 0.3	2.9 0.1 0.1 0.4	7.2
2/9-2/10/92 (2/10) System off 2/10-2/24/92	1.6 1.6 1.6 1.6 1.6	VE-31,VE-32 VE-33	J,G	Total VOCs cis-DCE PCE 2-CT CB	414 75 3.7 29 6.2	2151	187.8 187.8 187.8 187.8 187.8	7.1 1.3 0.1 0.5 0.1	2.1 0.1 0.8 0.2	11.3
2/24-3/12/92 (2/28) System off 3/12-4/8/92	14.9 14.9 14.9 14.9 14.9	VE-31,VE-32 VE-33	J,G	Total VOCs cis-DCE PCE 2-CT CB	240 47 3.4 15 5.2	1350	117.9 117.9 117.9 117.9 117.9	2.6 0.5 0.0 0.2 0.1	7.5 0.5 2.4 0.8	38.4
4/8-4/20/92 (4/13)	12 12	VE-31,VE-32 VE-33,VE-34 VE-38	J,G	Total VOCs cis-DCE	45 3.8	2070	180.7 180.7	0.7 0.1	0.7	8.9
4/20-4/30/92 (4/27)	10 10 10 10	VE-31,VE-32 VE-33,VE-34 VE-38	J,G	Total VOCs cis-DCE 2-CT CB	101 4.7 5 2.9	2070	180.7 180.7 180.7 180.7	1.7 0.1 0.1 0.0	0.8 0.8 0.5	16.6
Total VOCs Removed (2/7-2/10/92 2/24-3/12/92 4/8-4/30/92)									20.7	82.4

Note:

(date) = Date sample was collected

Total VOCs = Total Volatile Organic Compounds

cis-DCE = cis-1,2-Dichloroethene

trans-DCE = trans-1,2-Dichloroethene

CB = Chlorobenzene

2-CT = 2-Chlorotoluene

PCE = Tetrachloroethene

TABLE 6.0

ELECTRIC SHOP SVE RESULTS

Dates	Number of Days	Extraction Risers in Use	Carbon Units In Use	Compounds Recovered	Sample Results (mg/m3)	Air Velocity (ft/min)	Air Flow Rate (ft3/min)	VOCs Removed (#/day)	VOCs Removed (#/period)	Total VOCs (#/period)
3/5-3/9/92 (3/6)	3.8 3.8 3.8 3.8	VE-19	O,P	Total VOCs PCE TCE cis-DCE	72 60 7.8 4	5850	127.5 127.5 127.5 127.5	0.8 0.7 0.1 0.0		3.2
3/9-3/11/92 (3/9) System off 3/11-3/23/92	2.4 2.4 2.4 2.4	VE-19	O,P	Total VOCs PCE TCE cis-DCE	60 52 5 2.5	5850	127.5 127.5 127.5 127.5	0.7 0.6 0.1 0.0		1.7
3/23-3/27/92 (3/24)	4 4 4 4	VE-18,VE-20	O,P	Total VOCs PCE TCE cis-DCE	1212 1200 8.1 3.7		40.0 40.0 40.0 40.0	4.4 4.4 0.0 0.0		17.6
3/27-4/11/92 (4/1)	12.1 12.1 12.1	VE-18,VE-20	O,P	Total VOCs PCE TCE	424 420 4.2		40.0 40.0 40.0	1.5 1.5 0.0		18.7
4/11-4/24/92 (4/17)	14 14 14	VE-18,VE-20	O,P	Total VOCs PCE TCE	226 221 4.6		40.0 40.0 40.0	0.8 0.8 0.0		11.5
4/25-5/9/92 (5/4)	15 15 15	VE-18,VE-20	O,P	Total VOCs PCE TCE	295 291 3.7		40.0 40.0 40.0	1.1 1.1 0.0		16.1
Total VOCs Removed (3/5-3/11/92 3/23-5/9/92)									68.7	68.8

Note:

(date) = Date sample was collected

Total VOCs = Total Volatile Organic Compounds

PCE = Tetrachloroethene

TCE = Trichloroethene

cis-DCE = cis-1,2-Dichloroethene

TABLE 7.0

ELECTRIC SHOP TRANSFER PIT MANWAY SVE RESULTS

Dates	Number of Days	Extraction Risers in Use	Carbon Units in Use	Compounds Recovered	Sample Results (mg/m3)	Air Velocity (ft/min)	Air Flow Rate (ft3/min)	VOCs Removed (#/day)	VOCs Removed (#/period)	Total VOCs (#/period)
3/23-3/27/92 (3/24)	4	VE-13	O,P	Total VOCs	575	1240	108.3	5.7	15.4	22.7
	4			PCE	390		108.3	3.8		
	4			TCE	2.5		108.3	0.0		
	4			cis-DCE	2.5		108.3	0.0		
	4			CB	180		108.3	1.8		
3/27-4/10/92 (4/1)	12.1	VE-13	O,P	Total VOCs	126	1150	100.4	1.2	13.9	13.9
	12.1			PCE	126		100.4	1.2		
4/11-4/24/92 (4/17)	14	VE-13	O,P	Total VOCs	86	1150	100.4	0.8	11.0	11.0
	14			PCE	86		100.4	0.8		
4/25-5/9/92 (5/4)	15	VE-13	O,P	Total VOCs	70	1200	104.8	0.7	10.0	10.0
	15			PCE	70		104.8	0.7		
Total VOCs Removed (3/23-5/9/92)									57.6	57.6

Note:

(date) = Date sample was collected

Total VOCs = Total Volatile Organic Compounds

PCE = Tetrachloroethene

TCE = Trichloroethene

cis-DCE = cis-1,2-Dichloroethene

CB = Chlorobenzene

TABLE 8.0

CINDER PILE SVE RESULTS

Dates	Number of Days	Extraction Risers in use	Carbon Units in use	Compounds Recovered	Sample Results (mg/m3)	Air Velocity (ft/min)	Air Flow Rate (ft3/min)	VOCs Removed (#/day)	VOCs Removed (#/period)	Total VOCs (#/period)	
4/1-4/6/92 (4/2)	5.2	VE-7,VE-8	E,K	Total VOCs	126	1558	136.0	1.6		8.1	
	5.2	VE-9,VE-10		cis-Dce	5.1		136.0	0.1			0.3
	5.2	2-CT		3.8	136.0		0.0	0.2			
	5.2	CB		3.4	136.0		0.0	0.2			
4/6-4/12/92 (4/6)	6	VE-7,VE-8	E.K	Total VOCs	427	1580	137.9	5.4		32.2	
	6	VE-9,VE-10		PCE	2.8		137.9	0.0			0.2
	6	cis-DCE		4.3	137.9		0.1	0.3			
	6	2-CT		5.3	137.9		0.1	0.4			
	6	CB		4.3	137.9		0.1	0.3			
4/13-4/16/92 (4/13)	4	VE-7,VE-8	E,K	Total VOCs	224	1558	136.0	2.8		11.1	
	4	VE-9,VE-10		1,1,1-TCA	2.6		136.0	0.0			0.1
	4	cis-DCE		2.5	136.0		0.0	0.1			
	4	2-CT		6.7	136.0		0.1	0.3			
	4	CB		3.5	136.0		0.0	0.2			
	4	NA		4.2	136.0		0.1	0.2			
4/16-4/30/92 (4/28)	14	VE-7,VE-8	E,K	Total VOCs	349	2950	144.6	4.6		64.3	
	14	VE-9,VE-10		cis-DCE	2.6		144.6	0.0			0.5
	14	VE-14,VE-15		2-CT	9.1		144.6	0.1			1.7
	14	VE-16,VE-17		CB	4.8		144.6	0.1			0.9
Total VOCs Removed (4/1-4/30/92)									6.2	115.7	

Note: (date) = Date sample was taken

Total VOCs = Total Volatile Organic Compounds

PCE = Tetrachloroethene

cis-DCE = cis-1,2-Dichloroethene

CB = Chlorobenzene

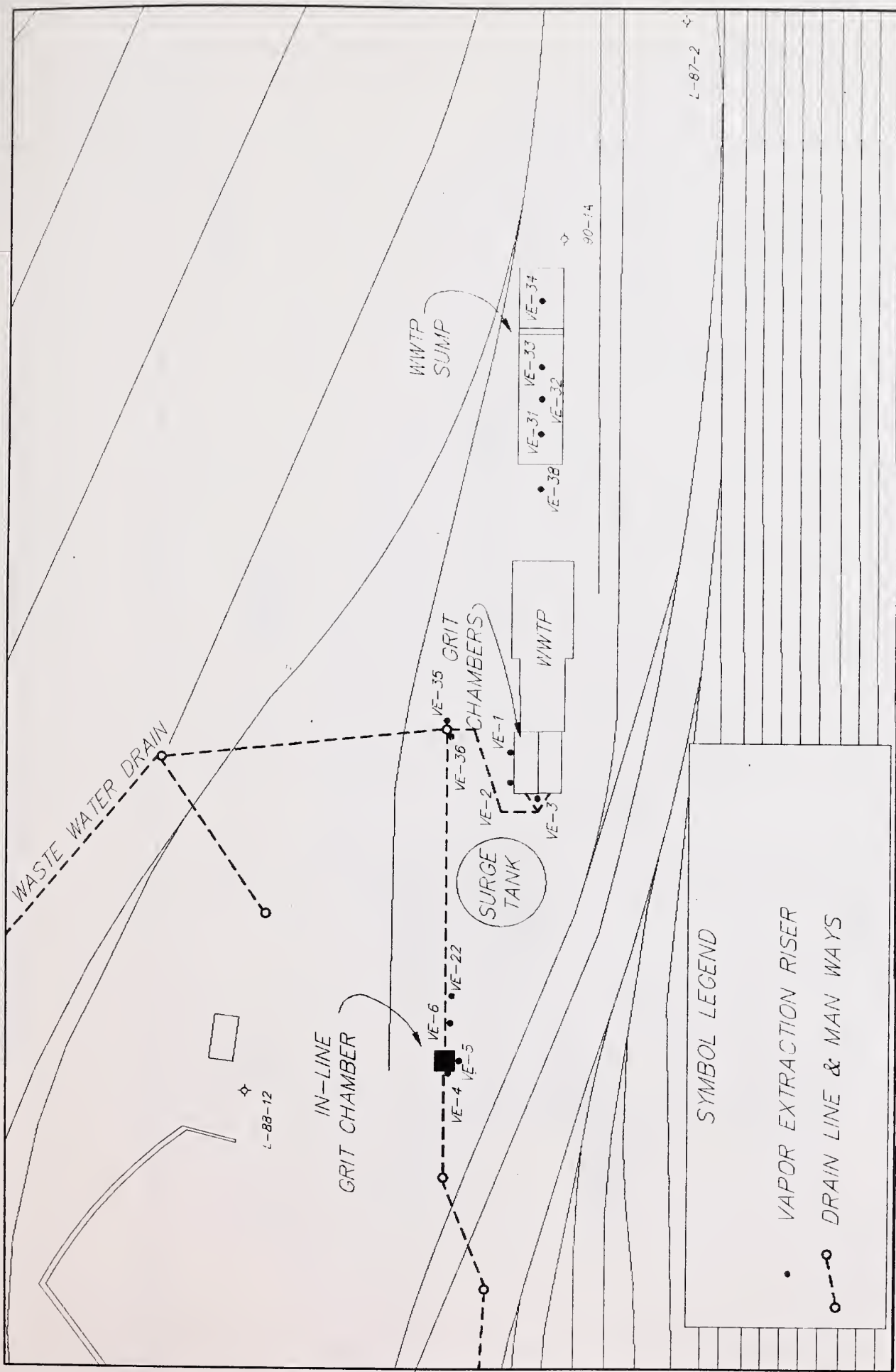
2-CT = 2-Chlorotoluene

1,1,1-TCA = 1,1,1-Trichloroethane

NA - Naphthalene



FIGURES



SYMBOL LEGEND

• VAPOR EXTRACTION RISER

○---○ DRAIN LINE & MAN WAYS

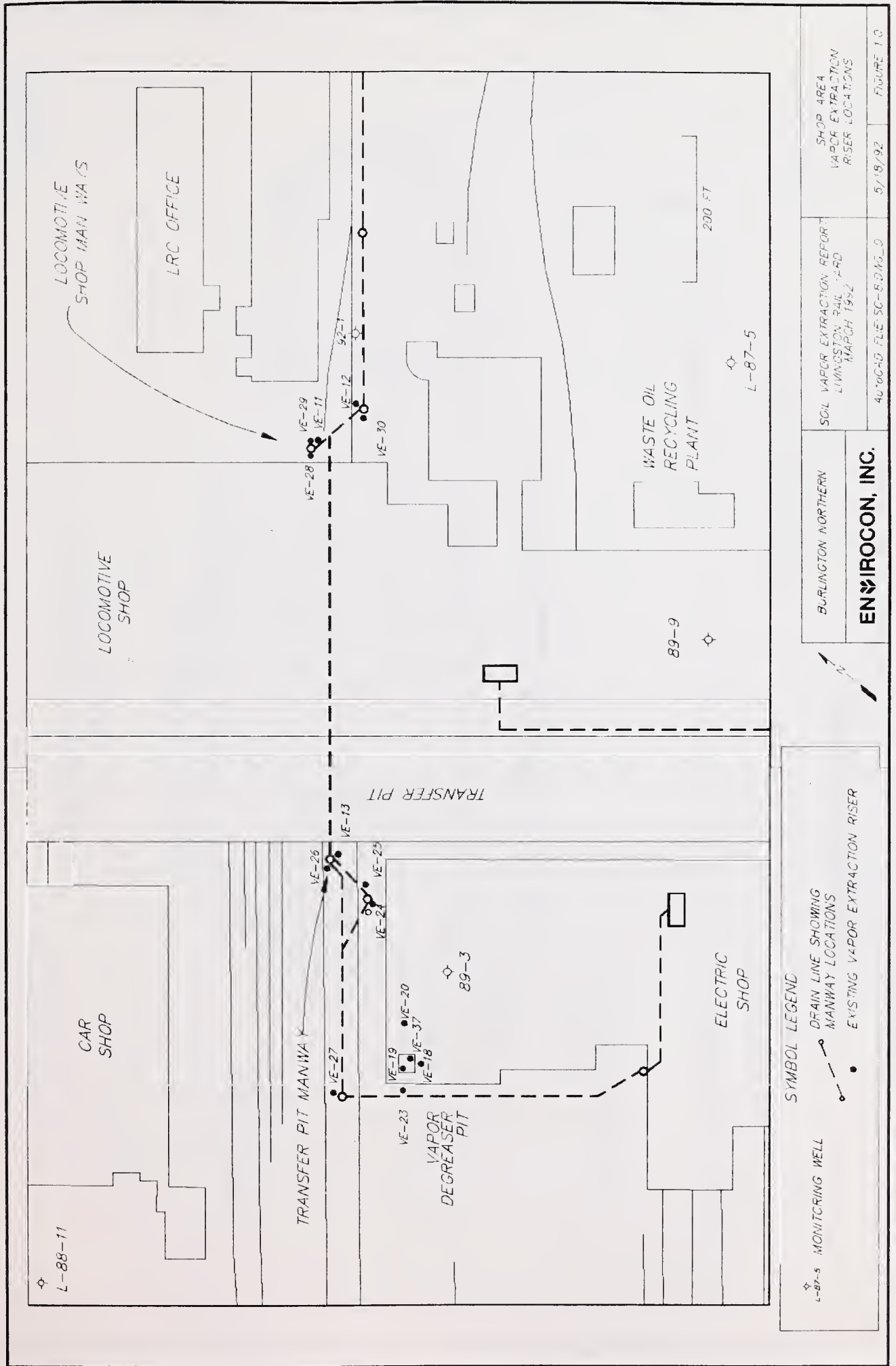


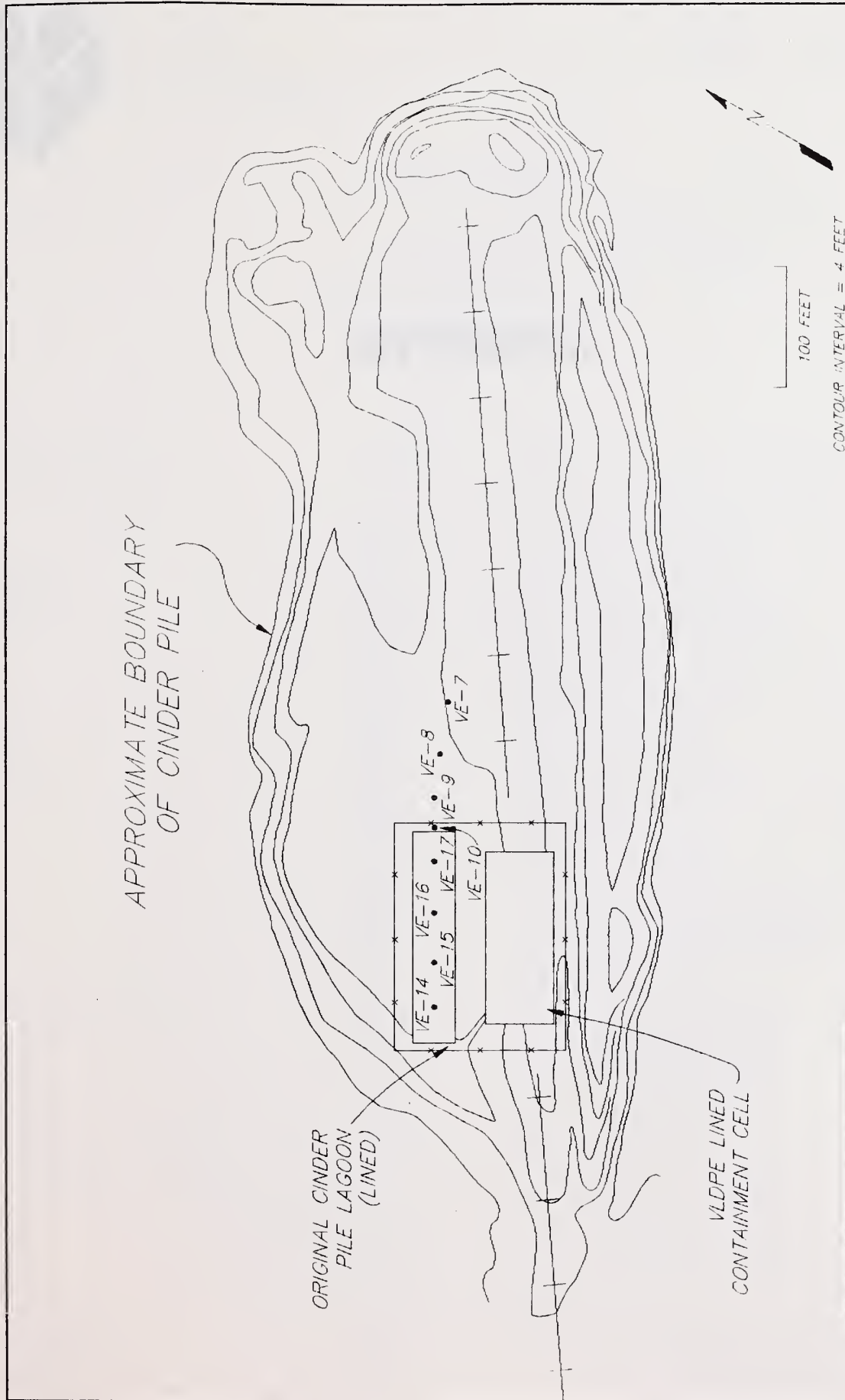
BURLINGTON NORTHERN	SOIL VAPOR EXTRACTION REPORT LIVINGSTON RAIL YARD MARCH 1992	WWTP AREA VAPOR EXTRACTION RISER LOCATIONS
ENVIROCON, INC.	AutoCAD FILE: SC-9.DWG_C	5/13/92
		FIGURE 2.0

L-87-2

30-14

L-88-12





SYMBOL LEGEND

- VAPOR EXTRACTION RISER
- FENCE

BURLINGTON NORTHERN

SOIL VAPOR EXTRACTION REPORT
LIVINGSTON RAIL YARD
MARCH 1992

CINDER PILE
VAPOR EXTRACTION
RISER LOCATIONS

ENVIROCON, INC.

AutoCAD FILE: SC-10.DWG_D

5/18/92

FIGURE 3.0



APPENDIX A



ENERGY LABORATORIES, INC.

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FAX (406) 252-6069 • 1-800-735-4489

m4/27/92

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-12234
DATE: 04/24/92 rh

AIR ANALYSIS

Livingston/BN
140101-SG-118
Sampled 04/03/92 @ 1125
Submitted 04/07/92
Analyzed 04/15/92

*Under Rule
Effluent*

RECEIVED

APR 27 1992

ENVIROCON, INC.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	3.2	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



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4/27/92

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-12235
DATE: 04/24/92 rh

AIR ANALYSIS

Livingston/BN
140101-SG-119
Sampled 04/03/92 @ 1130
Submitted 04/07/92
Analyzed 04/15/92

Cander Pilo
Between units

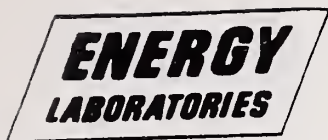
RECEIVED

APR 27 1992

ENVIROCON, INC.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	87
1,2-Dichloropropane	< 2.5		

REMARKS: Non-target VOC response appeared to be a multiple component branched chain hydrocarbon mixture.



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m4579

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-12237
DATE: 04/24/92 rh

AIR ANALYSIS

Livingston/BN
140101-SG-121
Sampled 04/06/92 @ 0855
Submitted 04/07/92
Analyzed 04/15/92

*Under Pile
Influent*

RECEIVED

APR 27 1992

ENVIROCON, Inc.
Livingston, MT

Volatile Organic Constituent

mg/m³

Volatile Organic Constituent

mg/m³

Benzene < 2.5
Bromobenzene < 2.5
Bromochloromethane < 2.5
Bromodichloromethane < 2.5
Bromoform < 2.5
Bromomethane < 2.5
n-Butylbenzene < 2.5
sec-Butylbenzene < 2.5
tert-Butylbenzene < 2.5
Carbon tetrachloride < 2.5
Chlorobenzene 4.3
Chloroethane < 2.5
Chloroform < 2.5
Chloromethane < 2.5
2-Chlorotoluene 5.3
4-Chlorotoluene < 2.5
1,2-Dibromo-3-chloropropane < 2.5
Dibromochloromethane < 2.5
1,2-Dibromoethane < 2.5
Dibromomethane < 2.5
1,2-Dichlorobenzene < 2.5
1,3-Dichlorobenzene < 2.5
1,4-Dichlorobenzene < 2.5
Dichlorodifluoromethane < 2.5
1,1-Dichloroethane < 2.5
1,2-Dichloroethane < 2.5
1,1-Dichloroethene < 2.5
cis-1,2-Dichloroethene 4.3
trans-1,2-Dichloroethene < 2.5
1,2-Dichloropropane < 2.5

1,3-Dichloropropane < 2.5
2,2-Dichloropropane < 2.5
1,1-Dichloropropene < 2.5
cis-1,3-Dichloropropene < 2.5
trans-1,3-Dichloropropene < 2.5
Ethylbenzene < 2.5
Hexachlorobutadiene < 2.5
Isopropylbenzene < 2.5
p-Isopropyltoluene < 2.5
Methylene chloride < 2.5
Naphthalene < 2.5
n-Propylbenzene < 2.5
Styrene < 2.5
1,1,1,2-Tetrachloroethane < 2.5
1,1,2,2-Tetrachloroethane < 2.5
Tetrachloroethene 2.8
Toluene < 2.5
1,2,3-Trichlorobenzene < 2.5
1,2,4-Trichlorobenzene < 2.5
1,1,1-Trichloroethane < 2.5
1,1,2-Trichloroethane < 2.5
Trichloroethene < 2.5
Trichlorofluoromethane < 2.5
1,2,3-Trichloropropane < 2.5
1,2,4-Trimethylbenzene < 2.5
1,3,5-Trimethylbenzene < 2.5
Vinyl chloride < 2.5
Xylenes < 2.5
Total VOC Response 427

REMARKS: Non-target VOC response appeared to be a multiple component branched chain hydrocarbon mixture.



ENERGY LABORATORIES, INC.

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LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: Blank
DATE: 04/29/92 crp

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APR 30 1992

ENVIROCON, Inc.
Livingston, MT

AIR ANALYSIS

Method Blank
Analyzed 04/24/92

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

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FAX (406) 252-6069 • 1-800-735-4489

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-12542
DATE: 04/29/92 crp

RECEIVED

APR 30 1992

ENVIROCON, INC.
Livingston, MT

AIR ANALYSIS

Livingston/BN
140101-SG-122
Sampled 04/13/92 @ 1308
Submitted 04/14/92
Analyzed 04/24/92

WWTP Sump
Submitt

Volatile Organic Constituent

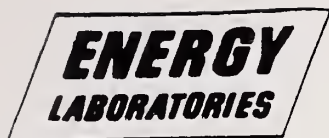
mg/m³

Benzene < 2.5
Bromobenzene < 2.5
Bromochloromethane < 2.5
Bromodichloromethane < 2.5
Bromoform < 2.5
Bromomethane < 2.5
n-Butylbenzene < 2.5
sec-Butylbenzene < 2.5
tert-Butylbenzene < 2.5
Carbon tetrachloride < 2.5
Chlorobenzene < 2.5
Chloroethane < 2.5
Chloroform < 2.5
Chloromethane < 2.5
2-Chlorotoluene < 2.5
4-Chlorotoluene < 2.5
1,2-Dibromo-3-chloropropane < 2.5
Dibromochloromethane < 2.5
1,2-Dibromoethane < 2.5
Dibromomethane < 2.5
1,2-Dichlorobenzene < 2.5
1,3-Dichlorobenzene < 2.5
1,4-Dichlorobenzene < 2.5
Dichlorodifluoromethane < 2.5
1,1-Dichloroethane < 2.5
1,2-Dichloroethane < 2.5
1,1-Dichloroethene < 2.5
cis-1,2-Dichloroethene 3.8
trans-1,2-Dichloroethene < 2.5
1,2-Dichloropropane < 2.5

Volatile Organic Constituent

mg/m³

1,3-Dichloropropane < 2.5
2,2-Dichloropropane < 2.5
1,1-Dichloropropene < 2.5
cis-1,3-Dichloropropene < 2.5
trans-1,3-Dichloropropene < 2.5
Ethylbenzene < 2.5
Hexachlorobutadiene < 2.5
Isopropylbenzene < 2.5
p-Isopropyltoluene < 2.5
Methylene chloride < 2.5
Naphthalene < 2.5
n-Propylbenzene < 2.5
Styrene < 2.5
1,1,1,2-Tetrachloroethane < 2.5
1,1,2,2-Tetrachloroethane < 2.5
Tetrachloroethene < 2.5
Toluene < 2.5
1,2,3-Trichlorobenzene < 2.5
1,2,4-Trichlorobenzene < 2.5
1,1,1-Trichloroethane < 2.5
1,1,2-Trichloroethane < 2.5
Trichloroethene < 2.5
Trichlorofluoromethane < 2.5
1,2,3-Trichloropropane < 2.5
1,2,4-Trimethylbenzene < 2.5
1,3,5-Trimethylbenzene < 2.5
Vinyl chloride < 2.5
Xylenes < 2.5
Total VOC Response 45

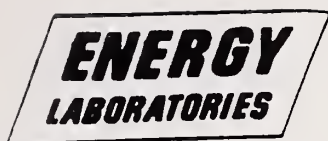
**ENERGY LABORATORIES, INC.**P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489

m4/30/92

LABORATORY REPORT**TO:** Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047**LAB NO.:** 92-12543
DATE: 04/29/92 crp**AIR ANALYSIS**Livingston/BN
140101-SG-123
Sampled 04/13/92 @ 1313
Submitted 04/14/92
Analyzed 04/24/92WWTP Sample
Between carbon
units.**RECEIVED**

APR 30 1992

ENVIROCON, Inc.
Livingston, MT**Volatile Organic Constituent****mg/m³**Benzene < 2.5
Bromobenzene < 2.5
Bromochloromethane < 2.5
Bromodichloromethane < 2.5
Bromoform < 2.5
Bromomethane < 2.5
n-Butylbenzene < 2.5
sec-Butylbenzene < 2.5
tert-Butylbenzene < 2.5
Carbon tetrachloride < 2.5
Chlorobenzene < 2.5
Chloroethane < 2.5
Chloroform < 2.5
Chloromethane < 2.5
2-Chlorotoluene < 2.5
4-Chlorotoluene < 2.5
1,2-Dibromo-3-chloropropane < 2.5
Dibromochloromethane < 2.5
1,2-Dibromoethane < 2.5
Dibromomethane < 2.5
1,2-Dichlorobenzene < 2.5
1,3-Dichlorobenzene < 2.5
1,4-Dichlorobenzene < 2.5
Dichlorodifluoromethane < 2.5
1,1-Dichloroethane < 2.5
1,2-Dichloroethane < 2.5
1,1-Dichloroethene < 2.5
cis-1,2-Dichloroethene 2.7
trans-1,2-Dichloroethene < 2.5
1,2-Dichloropropane < 2.5**Volatile Organic Constituent****mg/m³**1,3-Dichloropropane < 2.5
2,2-Dichloropropane < 2.5
1,1-Dichloropropene < 2.5
cis-1,3-Dichloropropene < 2.5
trans-1,3-Dichloropropene < 2.5
Ethylbenzene < 2.5
Hexachlorobutadiene < 2.5
Isopropylbenzene < 2.5
p-Isopropyltoluene < 2.5
Methylene chloride < 2.5
Naphthalene < 2.5
n-Propylbenzene < 2.5
Styrene < 2.5
1,1,1,2-Tetrachloroethane < 2.5
1,1,2,2-Tetrachloroethane < 2.5
Tetrachloroethene < 2.5
Toluene < 2.5
1,2,3-Trichlorobenzene < 2.5
1,2,4-Trichlorobenzene < 2.5
1,1,1-Trichloroethane < 2.5
1,1,2-Trichloroethane < 2.5
Trichloroethene < 2.5
Trichlorofluoromethane < 2.5
1,2,3-Trichloropropane < 2.5
1,2,4-Trimethylbenzene < 2.5
1,3,5-Trimethylbenzene < 2.5
Vinyl chloride < 2.5
Xylenes < 2.5
Total VOC Response < 30

**ENERGY LABORATORIES, INC.**P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489**LABORATORY REPORT****TO:** Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047**LAB NO.:** 92-12544
DATE: 04/29/92 crp**AIR ANALYSIS**Livingston/BN
140101-SG-124
Sampled 04/13/92 @ 1318
Submitted 04/14/92
Analyzed 04/24/92*WWTP Sample Effluent***RECEIVED**

APR 30 1992

ENVIROCON, Inc.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	12
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-12545
DATE: 04/29/92 crp

AIR ANALYSIS

Livingston/BN
140101-SG-125
Sampled 04/13/92 @ 1425
Submitted 04/14/92
Analyzed 04/24/92

*Cinder Ridge
Inferment*

RECEIVED

APR 30 1992

ENVIROCON, INC.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	3.5	Naphthalene	4.2
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	6.7	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	2.6
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	224
1,2-Dichloropropane	< 2.5		

**ENERGY LABORATORIES, INC.**P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489

M4/30/92

LABORATORY REPORT**TO:** Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047**LAB NO.:** 92-12546
DATE: 04/29/92 crp**AIR ANALYSIS**Livingston/BN
140101-SG-126
Sampled 04/13/92 @ 1430
Submitted 04/14/92
Analyzed 04/24/92*Under Pile
Between carbon
mud***RECEIVED**

APR 30 1992

ENVIROCON, Inc.
Livingston, MT**Volatile Organic Constituent****mg/m³**Benzene < 2.5
Bromobenzene < 2.5
Bromochloromethane < 2.5
Bromodichloromethane < 2.5
Bromoform < 2.5
Bromomethane < 2.5
n-Butylbenzene < 2.5
sec-Butylbenzene < 2.5
tert-Butylbenzene < 2.5
Carbon tetrachloride < 2.5
Chlorobenzene < 2.5
Chloroethane < 2.5
Chloroform < 2.5
Chloromethane < 2.5
2-Chlorotoluene < 2.5
4-Chlorotoluene < 2.5
1,2-Dibromo-3-chloropropane < 2.5
Dibromochloromethane < 2.5
1,2-Dibromoethane < 2.5
Dibromomethane < 2.5
1,2-Dichlorobenzene < 2.5
1,3-Dichlorobenzene < 2.5
1,4-Dichlorobenzene < 2.5
Dichlorodifluoromethane < 2.5
1,1-Dichloroethane < 2.5
1,2-Dichloroethane < 2.5
1,1-Dichloroethene < 2.5
cis-1,2-Dichloroethene < 2.5
trans-1,2-Dichloroethene < 2.5
1,2-Dichloropropane < 2.5**Volatile Organic Constituent****mg/m³**1,3-Dichloropropane < 2.5
2,2-Dichloropropane < 2.5
1,1-Dichloropropene < 2.5
cis-1,3-Dichloropropene < 2.5
trans-1,3-Dichloropropene < 2.5
Ethylbenzene < 2.5
Hexachlorobutadiene < 2.5
Isopropylbenzene < 2.5
p-Isopropyltoluene < 2.5
Methylene chloride < 2.5
Naphthalene < 2.5
n-Propylbenzene < 2.5
Styrene < 2.5
1,1,1,2-Tetrachloroethane < 2.5
1,1,2,2-Tetrachloroethane < 2.5
Tetrachloroethene < 2.5
Toluene < 2.5
1,2,3-Trichlorobenzene < 2.5
1,2,4-Trichlorobenzene < 2.5
1,1,1-Trichloroethane < 2.5
1,1,2-Trichloroethane < 2.5
Trichloroethene < 2.5
Trichlorofluoromethane < 2.5
1,2,3-Trichloropropane < 2.5
1,2,4-Trimethylbenzene < 2.5
1,3,5-Trimethylbenzene < 2.5
Vinyl chloride < 2.5
Xylenes < 2.5
Total VOC Response < 30



ENERGY LABORATORIES, INC.

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LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-12547
DATE: 04/29/92 crp

AIR ANALYSIS

Livingston/BN
140101-SG-127
Sampled 04/13/92 @ 1434
Submitted 04/14/92
Analyzed 04/24/92

*Cindy Bell
Effluent*

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ENVIROCON, Inc.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

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4/30/92

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APR 30 1992

**ENVIROCON, Inc.
Livingston, MT**

April 29, 1992

Envirocon, Inc.
P.O. Box 1154
Livingston, MT 59047

On April 14, 1992, these samples, represented by our laboratory numbers 92-12542 to 92-12547, were submitted to our laboratory for analysis.

The test results and quality assurance were reviewed and approved by the undersigned.

Reviewed by:

**ENERGY LABORATORIES, INC.**P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
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M 4/30/92

LABORATORY REPORTTO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047LAB NO.: Blank
DATE: 04/29/92 rh**RECEIVED**
APR 30 1992ENVIROCON, Inc.
Livingston, MTAIR ANALYSISMethod Blank
Analyzed 04/24/92

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

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4/30/92

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-12904
DATE: 04/29/92 rh

AIR ANALYSIS

Livingston/BN
140101-SG-128
Sampled 04/17/92 @ 0848
Submitted 04/20/92
Analyzed 04/24/92

RECEIVED
APR 30 1992
ENVIROCON, Inc.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	86 *
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	86
1,2-Dichloropropane	< 2.5		

* Value derived from a 5x dilution of the sample.

**ENERGY LABORATORIES, INC.**P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
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4/30/92

LABORATORY REPORT**TO:** Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047**LAB NO.:** 92-12905
DATE: 04/29/92 rh**AIR ANALYSIS**Livingston/BN
140101-SG-129
Sampled 04/17/92 @ 0830
Submitted 04/20/92
Analyzed 04/24/92*Electric Shop
Instruments & B***RECEIVED**
APR 30 1992ENVIROCON, Inc.
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	221 *
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	4.6 ✓
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	226
1,2-Dichloropropane	< 2.5		

* Value derived from a 26.5x dilution of the sample.



ENERGY LABORATORIES, INC.

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4/30/92

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-12906
DATE: 04/29/92 rh

AIR ANALYSIS

Livingston/BN
140101-SG-130
Sampled 04/17/92 @ 0814
Submitted 04/20/92
Analyzed 04/24/92

*Recombinant Gas
Influence*

RECEIVED

APR 30 1992

ENVIROCON, Inc.
Livingston, MT.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	65 *
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	65
1,2-Dichloropropane	< 2.5		

* Value derived from a 5x dilution of the sample.

4/30/92

LABORATORY REPORTTO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047LAB NO.: 92-12907
DATE: 04/29/92 rhAIR ANALYSISLivingston/BN
140101-SG-131
Sampled 04/17/92 @ 0840
Submitted 04/20/92
Analyzed 04/24/92WUTP (Concurred)
[Signature]**RECEIVED**
APR 30 1992ENVIROCON, Inc.
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	8.4	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	33
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	17
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	20	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	125
1,2-Dichloropropane	< 2.5		

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M 4/30/92

LABORATORY REPORTTO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047LAB NO.: 92-12908
DATE: 04/29/92 rhAIR ANALYSISLivingston/BN
140101-SG-132
Sampled 04/17/92 @ 0845
Submitted 04/20/92
Analyzed 04/24/92*John R. Smith*
Chamberlain
RECEIVED
APR 30 1992
ENVIROCON, Inc.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	129 *	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	9.3	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	3.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	119 *	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	5.3	Trichloroethene	< 2.5
1,4-Dichlorobenzene	21	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	580
1,2-Dichloropropane	< 2.5		

* Value derived from a 5x dilution of the sample.



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114/30/92

RECEIVED

APR 30 1992

**ENVIROCON, Inc.
Livingston, MT.**

April 29, 1992

Envirocon, Inc.
P.O. Box 1154
Livingston, MT 59047

On April 20, 1992, these samples, represented by our laboratory numbers 92-12904 to 92-12908 were submitted to our laboratory for analysis.

The test results and quality assurance were reviewed and approved by the undersigned.

Reviewed by:

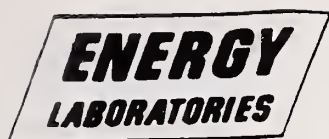
Joe Standen

**ENERGY LABORATORIES, INC.**P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
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m 6/8/92

LABORATORY REPORT**TO:** Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047**LAB NO.:** Blank
DATE: 06/04/92 rh**AIR ANALYSIS**Method Blank
Analyzed 05/26/92

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



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mk/42

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-16875
DATE: 06/04/92 rh

AIR ANALYSIS

Livingston/BN
140101-SG-133
Sampled 04/27/92 @ 0930
Submitted 05/11/92
Analyzed 05/26/92

WWTP Sample
Submitted

Volatile Organic Constituent

mg/m³

Benzene < 2.5
Bromobenzene < 2.5
Bromochloromethane < 2.5
Bromodichloromethane < 2.5
Bromoform < 2.5
Bromomethane < 2.5
n-Butylbenzene < 2.5
sec-Butylbenzene < 2.5
tert-Butylbenzene < 2.5
Carbon tetrachloride < 2.5
Chlorobenzene 2.9
Chloroethane < 2.5
Chloroform < 2.5
Chloromethane < 2.5
2-Chlorotoluene 5.0
4-Chlorotoluene < 2.5
1,2-Dibromo-3-chloropropane < 2.5
Dibromochloromethane < 2.5
1,2-Dibromoethane < 2.5
Dibromomethane < 2.5
1,2-Dichlorobenzene < 2.5
1,3-Dichlorobenzene < 2.5
1,4-Dichlorobenzene < 2.5
Dichlorodifluoromethane < 2.5
1,1-Dichloroethane < 2.5
1,2-Dichloroethane < 2.5
1,1-Dichloroethene < 2.5
cis-1,2-Dichloroethene 4.7
trans-1,2-Dichloroethene < 2.5
1,2-Dichloropropane < 2.5

Volatile Organic Constituent

mg/m³

1,3-Dichloropropane < 2.5
2,2-Dichloropropane < 2.5
1,1-Dichloropropene < 2.5
cis-1,3-Dichloropropene < 2.5
trans-1,3-Dichloropropene < 2.5
Ethylbenzene < 2.5
Hexachlorobutadiene < 2.5
Isopropylbenzene < 2.5
p-Isopropyltoluene < 2.5
Methylene chloride < 2.5
Naphthalene < 2.5
n-Propylbenzene < 2.5
Styrene < 2.5
1,1,1,2-Tetrachloroethane < 2.5
1,1,2,2-Tetrachloroethane < 2.5
Tetrachloroethene < 2.5
Toluene < 2.5
1,2,3-Trichlorobenzene < 2.5
1,2,4-Trichlorobenzene < 2.5
1,1,1-Trichloroethane < 2.5
1,1,2-Trichloroethane < 2.5
Trichloroethene < 2.5
Trichlorofluoromethane < 2.5
1,2,3-Trichloropropane < 2.5
1,2,4-Trimethylbenzene < 2.5
1,3,5-Trimethylbenzene < 2.5
Vinyl chloride < 2.5
Xylenes < 2.5
Total VOC Response 101



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mk/sj

LABORATORY REPORT

TO: Envirocon, Inc.
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-16876
DATE: 06/04/92 rh

AIR ANALYSIS

*Cinder Pole
S. J. J.*

Livingston/BN
140101-SG-134
Sampled 04/28/92 @ 1035
Submitted 05/11/92
Analyzed 05/26/92

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	4.8	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	9.1	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	2.6	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	349
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

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mg/s/gp

June 4, 1992

Envirocon, Inc.
P.O. Box 1154
Livingston, MT 59047

On May 11, 1992, these samples, represented by our laboratory numbers 92-16875 to 92-16876 were submitted to our laboratory for analysis.

The test results and quality assurance were reviewed and approved by the undersigned.

Reviewed by:

Joe Stanisi



ENERGY LABORATORIES, INC.

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ms/14/92

LABORATORY REPORT

TO: Envirocon
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.:
DATE:

Blank
05/13/92 da

AIR ANALYSIS

Method Blank
Analyzed 05/08/92

RECEIVED
MAY 14 1992
ENVIROCON, Inc.
Livingston, MT.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



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MS/14

LABORATORY REPORT

TO: Envirocon
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-16360 dup
DATE: 05/13/92 da

QUALITY ASSURANCE-~~DUPLICATE~~ ANALYSIS

Livingston/BN
140101-SG-135
Sampled 05/04/92 @ 0817
Submitted 05/05/92
Analyzed 05/08/92

*WATP Compounds
Sufficient*

RECEIVED

MAY 14 1992

ENVIROCON Inc
Livingston, MT

Volatile Organic Constituent

mg/m³

Benzene < 2.5
Bromobenzene < 2.5
Bromochloromethane < 2.5
Bromodichloromethane < 2.5
Bromoform < 2.5
Bromomethane < 2.5
n-Butylbenzene < 2.5
sec-Butylbenzene < 2.5
tert-Butylbenzene < 2.5
Carbon tetrachloride < 2.5
Chlorobenzene 5.9
Chloroethane < 2.5
Chloroform < 2.5
Chloromethane < 2.5
2-Chlorotoluene < 2.5
4-Chlorotoluene < 2.5
1,2-Dibromo-3-chloropropane < 2.5
Dibromochloromethane < 2.5
1,2-Dibromoethane < 2.5
Dibromomethane < 2.5
1,2-Dichlorobenzene < 2.5
1,3-Dichlorobenzene < 2.5
1,4-Dichlorobenzene < 2.5
Dichlorodifluoromethane < 2.5
1,1-Dichloroethane < 2.5
1,2-Dichloroethane < 2.5
1,1-Dichloroethene < 2.5
cis-1,2-Dichloroethene 19
trans-1,2-Dichloroethene < 2.5
1,2-Dichloropropane < 2.5

Volatile Organic Constituent

mg/m³

1,3-Dichloropropane < 2.5
2,2-Dichloropropane < 2.5
1,1-Dichloropropene < 2.5
cis-1,3-Dichloropropene < 2.5
trans-1,3-Dichloropropene < 2.5
Ethylbenzene < 2.5
Hexachlorobutadiene < 2.5
Isopropylbenzene < 2.5
p-Isopropyltoluene < 2.5
Methylene chloride < 2.5
Naphthalene < 2.5
n-Propylbenzene < 2.5
Styrene < 2.5
1,1,1,2-Tetrachloroethane < 2.5
1,1,2,2-Tetrachloroethane < 2.5
Tetrachloroethene 33
Toluene < 2.5
1,2,3-Trichlorobenzene < 2.5
1,2,4-Trichlorobenzene < 2.5
1,1,1-Trichloroethane < 2.5
1,1,2-Trichloroethane < 2.5
Trichloroethene 12
Trichlorofluoromethane < 2.5
1,2,3-Trichloropropane < 2.5
1,2,4-Trimethylbenzene < 2.5
1,3,5-Trimethylbenzene < 2.5
Vinyl chloride < 2.5
Xylenes < 2.5
Total VOC Response 70



ENERGY LABORATORIES, INC.

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ms/14/92

LABORATORY REPORT

TO: Envirocon
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-16360
DATE: 05/13/92 da

AIR ANALYSIS

Livingston/BN
140101-SG-135
Sampled 05/04/92 @ 0817
Submitted 05/05/92
Analyzed 05/08/92

11 WTP (Livingston)
Influent

RECEIVED

MAY 14 1992

ENVIROCON, Inc.
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	5.2	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	32
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	10
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	17	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	64
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489

MS/149°

LABORATORY REPORT

TO: Envirocon
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-16361
DATE: 05/13/92 da

AIR ANALYSIS

Livingston/BN
140101-SG-136
Sampled 05/04/92 @ 0818
Submitted 05/05/92
Analyzed 05/08/92

WWTP Compound
Between

RECEIVED

MAY 14 1992

ENVIROCON, Inc.
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		

LABORATORY REPORT

TO: Envirocon
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-16362
DATE: 05/13/92 da

AIR ANALYSIS

Livingston/BN
140101-SG-137
Sampled 05/04/92 @ 0819
Submitted 05/05/92
Analyzed 05/08/92

WWTP Compound
Effluent

RECEIVED

MAY 14 1992

ENVIROCON, Inc.
Livingston, Mt.**Volatile Organic Constituent****mg/m³**

Benzene < 2.5
Bromobenzene < 2.5
Bromochloromethane < 2.5
Bromodichloromethane < 2.5
Bromoform < 2.5
Bromomethane < 2.5
n-Butylbenzene < 2.5
sec-Butylbenzene < 2.5
tert-Butylbenzene < 2.5
Carbon tetrachloride < 2.5
Chlorobenzene < 2.5
Chloroethane < 2.5
Chloroform < 2.5
Chloromethane < 2.5
2-Chlorotoluene < 2.5
4-Chlorotoluene < 2.5
1,2-Dibromo-3-chloropropane < 2.5
Dibromochloromethane < 2.5
1,2-Dibromoethane < 2.5
Dibromomethane < 2.5
1,2-Dichlorobenzene < 2.5
1,3-Dichlorobenzene < 2.5
1,4-Dichlorobenzene < 2.5
Dichlorodifluoromethane < 2.5
1,1-Dichloroethane < 2.5
1,2-Dichloroethane < 2.5
1,1-Dichloroethene < 2.5
cis-1,2-Dichloroethene < 2.5
trans-1,2-Dichloroethene < 2.5
1,2-Dichloropropane < 2.5

Volatile Organic Constituent**mg/m³**

1,3-Dichloropropane < 2.5
2,2-Dichloropropane < 2.5
1,1-Dichloropropene < 2.5
cis-1,3-Dichloropropene < 2.5
trans-1,3-Dichloropropene < 2.5
Ethylbenzene < 2.5
Hexachlorobutadiene < 2.5
Isopropylbenzene < 2.5
p-Isopropyltoluene < 2.5
Methylene chloride < 2.5
Naphthalene < 2.5
n-Propylbenzene < 2.5
Styrene < 2.5
1,1,1,2-Tetrachloroethane < 2.5
1,1,2,2-Tetrachloroethane < 2.5
Tetrachloroethene < 2.5
Toluene < 2.5
1,2,3-Trichlorobenzene < 2.5
1,2,4-Trichlorobenzene < 2.5
1,1,1-Trichloroethane < 2.5
1,1,2-Trichloroethane < 2.5
Trichloroethene < 2.5
Trichlorofluoromethane < 2.5
1,2,3-Trichloropropane < 2.5
1,2,4-Trimethylbenzene < 2.5
1,3,5-Trimethylbenzene < 2.5
Vinyl chloride < 2.5
Xylenes < 2.5
Total VOC Response < 30

LABORATORY REPORT

TO: Envirocon
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-16363
DATE: 05/13/92 da

AIR ANALYSIS

Livingston/BN
140101-SG-138
Sampled 05/04/92 @ 0841
Submitted 05/05/92
Analyzed 05/08/92

*Jim-Live Unit
Chambers
D. J. J. J.*

RECEIVED
MAY 14 1992

ENVIROCON, Inc.
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	90 *	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	7.2	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	3.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	79 *	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	4.7	Trichloroethene	< 2.5
1,4-Dichlorobenzene	15	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	430
1,2-Dichloropropane	< 2.5		

*Value derived from a 5X dilution.



ENERGY LABORATORIES, INC.

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ms/14/92

LABORATORY REPORT

TO: Envirocon
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-16364
DATE: 05/13/92

RECEIVED
MAY 14 1992
Envirocon, Inc.
Livingston, MT.

AIR ANALYSIS

Livingston/BN
140101-SG-139
Sampled 05/04/92 @ 0842
Submitted 05/05/92
Analyzed 05/08/92

In-line filter
Chamber
Between

Volatile Organic Constituent

mg/m³

Volatile Organic Constituent

mg/m³

Benzene < 2.5
Bromobenzene < 2.5
Bromochloromethane < 2.5
Bromodichloromethane < 2.5
Bromoform < 2.5
Bromomethane < 2.5
n-Butylbenzene < 2.5
sec-Butylbenzene < 2.5
tert-Butylbenzene < 2.5
Carbon tetrachloride < 2.5
Chlorobenzene 7.1
Chloroethane < 2.5
Chloroform < 2.5
Chloromethane < 2.5
2-Chlorotoluene < 2.5
4-Chlorotoluene < 2.5
1,2-Dibromo-3-chloropropane < 2.5
Dibromochloromethane < 2.5
1,2-Dibromoethane < 2.5
Dibromomethane < 2.5
1,2-Dichlorobenzene < 2.5
1,3-Dichlorobenzene < 2.5
1,4-Dichlorobenzene < 2.5
Dichlorodifluoromethane < 2.5
1,1-Dichloroethane < 2.5
1,2-Dichloroethane < 2.5
1,1-Dichloroethene < 2.5
cis-1,2-Dichloroethene < 2.5
trans-1,2-Dichloroethene < 2.5
1,2-Dichloropropane < 2.5

1,3-Dichloropropane < 2.5
2,2-Dichloropropane < 2.5
1,1-Dichloropropene < 2.5
cis-1,3-Dichloropropene < 2.5
trans-1,3-Dichloropropene < 2.5
Ethylbenzene < 2.5
Hexachlorobutadiene < 2.5
Isopropylbenzene < 2.5
p-Isopropyltoluene < 2.5
Methylene chloride < 2.5
Naphthalene < 2.5
n-Propylbenzene < 2.5
Styrene < 2.5
1,1,1,2-Tetrachloroethane < 2.5
1,1,2,2-Tetrachloroethane < 2.5
Tetrachloroethene < 2.5
Toluene < 2.5
1,2,3-Trichlorobenzene < 2.5
1,2,4-Trichlorobenzene < 2.5
1,1,1-Trichloroethane < 2.5
1,1,2-Trichloroethane < 2.5
Trichloroethene < 2.5
Trichlorofluoromethane < 2.5
1,2,3-Trichloropropane < 2.5
1,2,4-Trimethylbenzene < 2.5
1,3,5-Trimethylbenzene < 2.5
Vinyl chloride < 2.5
Xylenes < 2.5
Total VOC Response < 30



ENERGY LABORATORIES, INC.

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ms/8/92

LABORATORY REPORT

TO: Envirocon
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-16365

DATE: 05/13/92

RECEIVED
MAY 14 1992

ENVIROCON, Inc.
Livingston, Mt.

AIR ANALYSIS

Livingston/BN
140101-SG-140
Sampled 05/04/92 @ 0843
Submitted 05/05/92
Analyzed 05/08/92

*In line with
Chamberlain
Effluent*

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

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ms/1797

LABORATORY REPORT

TO: Envirocon
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-16366
DATE: 05/13/92 da

AIR ANALYSIS

Livingston/BN
140101-SG-141
Sampled 05/04/92 @ 0903
Submitted 05/05/92
Analyzed 05/08/92

*Locomotive 9 of
Influent*

RECEIVED
MAY 14 1992
ENVIROCON, Inc.
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	48 *
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	48 *
1,2-Dichloropropane	< 2.5		

*Values derived from a 5X dilution.



ENERGY LABORATORIES, INC.

P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489

m 5/14/92

LABORATORY REPORT

TO: Envirocon
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-16367
DATE: 05/13/92 da

AIR ANALYSIS

Livingston/BN
140101-SG-142
Sampled 05/04/92 @ 0904
Submitted 05/05/92
Analyzed 05/08/92

*Specimens Shipped
Between*

RECEIVED
MAY 14 1992
ENVIROCON, Inc.
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		

**ENERGY LABORATORIES, INC.**P.O. BOX 30916 • 1107 SOUTH BROADWAY • BILLINGS, MT 59107-0916 • PHONE (406) 252-6325
FAX (406) 252-6069 • 1-800-735-4489

m 5/14/92

LABORATORY REPORT**TO:** Envirocon
ADDRESS: P.O. Box 1154
Livingston, MT 59047**LAB NO.:** 92-16368
DATE: 05/13/92 da**AIR ANALYSIS**Livingston/BN
140101-SG-143
Sampled 05/04/92 @ 0905
Submitted 05/05/92
Analyzed 05/08/92*Resonance Shop
Effluent***RECEIVED**
MAY 14 1992
ENVIROCON, Inc.
Livingston, MT

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

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m 5/14/92

LABORATORY REPORT

TO: Envirocon
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-16369
DATE: 05/13/92 da

AIR ANALYSIS

Livingston/BN
140101-SG-144
Sampled 05/04/92 @ 0943
Submitted 05/05/92
Analyzed 05/08/92

*Electric Shop
Transfer Pit
Markway
Sutcliffe*

RECEIVED

MAY 14 1992

ENVIROCON, Inc.
Livingston, Wt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	70 *
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	70
1,2-Dichloropropane	< 2.5		

*Value derived from a 5X dilution.

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m 5/14/92

LABORATORY REPORT

TO: Envirocon
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-16370 dup
DATE: 05/13/92 da

QUALITY ASSURANCE-DUPLICATE ANALYSIS

Livingston/BN
140101-SG-145
Sampled 05/04/92 @ 0944
Submitted 05/05/92
Analyzed 05/08/92

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MAY 14 1992
ENVIROCON INC.
Livingston

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

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m 3/14/92

LABORATORY REPORT

TO: Envirocon
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-16370
DATE: 05/13/92 da

AIR ANALYSIS

Livingston/BN
140101-SG-145
Sampled 05/04/92 @ 0944
Submitted 05/05/92
Analyzed 05/08/92

*Electric Shop
Between*

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MAY 14 1992

ENVIROCON, Inc.
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

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m 5/1/92

LABORATORY REPORT

TO: Envirocon
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-16371
DATE: 05/13/92

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MAY 14 1992
ENVIROCON
LIVINGSTON, INC.
Livingston, Mt.

AIR ANALYSIS

Livingston/BN
140101-SG-146
Sampled 05/04/92 @ 0945
Submitted 05/05/92
Analyzed 05/08/92

*Electric Shop
Effluent*

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	< 2.5
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	< 2.5
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	< 30
1,2-Dichloropropane	< 2.5		



ENERGY LABORATORIES, INC.

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m 3/4/92

LABORATORY REPORT

TO: Envirocon
ADDRESS: P.O. Box 1154
Livingston, MT 59047

LAB NO.: 92-16372
DATE: 05/13/92 da

AIR ANALYSIS

Livingston/BN
140101-SG-147
Sampled 05/04/92 @ 1110
Submitted 05/05/92
Analyzed 05/08/92

Electric Shop
Inside

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MAY 14 1992
ENVIROCON, Inc.
Livingston, Mt.

<u>Volatile Organic Constituent</u>	<u>mg/m³</u>	<u>Volatile Organic Constituent</u>	<u>mg/m³</u>
Benzene	< 2.5	1,3-Dichloropropane	< 2.5
Bromobenzene	< 2.5	2,2-Dichloropropane	< 2.5
Bromochloromethane	< 2.5	1,1-Dichloropropene	< 2.5
Bromodichloromethane	< 2.5	cis-1,3-Dichloropropene	< 2.5
Bromoform	< 2.5	trans-1,3-Dichloropropene	< 2.5
Bromomethane	< 2.5	Ethylbenzene	< 2.5
n-Butylbenzene	< 2.5	Hexachlorobutadiene	< 2.5
sec-Butylbenzene	< 2.5	Isopropylbenzene	< 2.5
tert-Butylbenzene	< 2.5	p-Isopropyltoluene	< 2.5
Carbon tetrachloride	< 2.5	Methylene chloride	< 2.5
Chlorobenzene	< 2.5	Naphthalene	< 2.5
Chloroethane	< 2.5	n-Propylbenzene	< 2.5
Chloroform	< 2.5	Styrene	< 2.5
Chloromethane	< 2.5	1,1,1,2-Tetrachloroethane	< 2.5
2-Chlorotoluene	< 2.5	1,1,2,2-Tetrachloroethane	< 2.5
4-Chlorotoluene	< 2.5	Tetrachloroethene	291 *
1,2-Dibromo-3-chloropropane	< 2.5	Toluene	< 2.5
Dibromochloromethane	< 2.5	1,2,3-Trichlorobenzene	< 2.5
1,2-Dibromoethane	< 2.5	1,2,4-Trichlorobenzene	< 2.5
Dibromomethane	< 2.5	1,1,1-Trichloroethane	< 2.5
1,2-Dichlorobenzene	< 2.5	1,1,2-Trichloroethane	< 2.5
1,3-Dichlorobenzene	< 2.5	Trichloroethene	3.7
1,4-Dichlorobenzene	< 2.5	Trichlorofluoromethane	< 2.5
Dichlorodifluoromethane	< 2.5	1,2,3-Trichloropropane	< 2.5
1,1-Dichloroethane	< 2.5	1,2,4-Trimethylbenzene	< 2.5
1,2-Dichloroethane	< 2.5	1,3,5-Trimethylbenzene	< 2.5
1,1-Dichloroethene	< 2.5	Vinyl chloride	< 2.5
cis-1,2-Dichloroethene	< 2.5	Xylenes	< 2.5
trans-1,2-Dichloroethene	< 2.5	Total VOC Response	295
1,2-Dichloropropane	< 2.5		

*Value derived from a 26.5X dilution.



ENERGY LABORATORIES, INC.

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MAY 14 1992

**ENVIROCON, Inc.
Livingston, Mt.**

May 13, 1992

Envirocon, Inc.
P.O. Box 1154
Livingston, MT 59047

On May 5, 1992 these samples, represented by our laboratory numbers 92-16360 to 92-16372, were submitted to our laboratory for analysis.

The test results and quality assurance were reviewed and approved by the undersigned.

Reviewed by: _____

A handwritten signature in dark ink, appearing to read "Ar Shalini", is written over a horizontal line.

